

# Installing Debian GNU/Linux 5.0 (“Lenny”) and HP Value Add Software for i386 and AMD64 on HP ProLiant Servers

## Systems README

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### Abstract

ProLiant servers provide an excellent platform for Linux and are engineered from the ground up to provide performance, reliability and scalability using industry-standard components. This document provides information about installing Debian GNU/Linux 5.0 (codenamed “Lenny”) and HP Value Add software for the i386 and AMD64 architectures on ProLiant Servers.

### 1. Operating System Installation Notes

For HP ProLiant servers that use the Broadcom NetXtreme II network controllers, you will be prompted for media that contains external firmware. This firmware is available from:

<http://cdimage.debian.org/cdimage/unofficial/non-free/firmware/lenny/current/>

This firmware maybe used by unpacking this firmware onto a USB key and inserting it into the system when prompted. You can also use the iLO 2 virtual media applet to insert this firmware. To do so you need to create an image file to be used as a virtual USB key. See the following commands for an example. Note that commands with a '\$' prompt may be executed as a non-root user; but commands with a '#' prompt require root privileges.

```
$ wget http://cdimage.debian.org/cdimage/unofficial/non-free/firmware/lenny/current/firmware.tar.gz
$ dd if=/dev/zero of=firmware.img bs=1MB count=16
$ /sbin/mkdosfs firmware.img
$ su
# mkdir mnt
# mount firmware.img mnt -o loop
# cd mnt
# tar xfz ../firmware.tar.gz
# cd ..
# umount mnt
```

### 2. ISS Value Add Packages

Packages are delivered in an apt-cdrom compatible CD-ROM image. To use it, burn the image to a CD and insert the CD into the target system. Remote users may prefer to use the iLO 2 virtual media feature to using a physical CD. See the iLO 2 user manual for more information.

Next, make the packages available for install via apt using the apt-cdrom command:

```
# apt-cdrom add
```

Once this command has been executed, apt-cdrom will remember what packages are on this CD and apt-get will prompt you to insert this CD when you request a package from it.

## **2.1 hp-health**

To install the hp-health package, run:

```
# apt-get install hp-health
```

## **2.2 hp-snmp-agents**

To install the hp-snmp-agents package, run:

```
# apt-get install hp-snmp-agents
```

To configure the hp-snmp-agents package, run:

```
# /sbin/hpsnmpconfig
```

## **2.3 hpsmh**

To install the hpsmh package, run:

```
# apt-get install hpsmh
```

## **2.4 hp-smh-templates**

To install the hp-smh-templates package, run:

```
# apt-get install hp-smh-templates
```

## **2.5 hpacucli**

To install hpacucli, run:

```
# apt-get install hpacucli
```

## **2.6 cpqacuxe**

To install cpqacuxe, run:

```
# apt-get install cpqacuxe
```

To enable the use of the web-based Array Configuration Utility, you must first manually start the cpqacuxe service from the command line:

```
# /usr/sbin/cpqacuxe
```